

# MT-8502 Fiber Optic Splicing Machine



## Quick Details

1. Splicing time:20s
2. Heating time:1-2cores 26s;4-12cores 40s
3. Splicing program:40 groups
4. Product size:155\*144\*155mm(including battery)
5. Machine weight:2.3kg
6. Return loss:>60dB
7. Tension test:1.8~2.2N
8. Splice Loss:0.05dB(SM)、0.02dB(MM)、0.08dB(DS/NZDS)

## Feature:

1. Applicable to 2-12 ribbon fiber splicing
2. Accurate alignment, world standard fusion loss
3. 20s splicing time, heating 1-2/4-12 fiber ribbon 26s/40s
4. Applicable to different types fibers (SM/MM/DS/NZDS)
5. Ruggedized body, waterproof, anti-dust, anti-shock
6. Pluggable Li-battery, support separate charging
7. Easy to maintenance, easy to replace the electrodes
8. USB port for software upgrading, records exporting
9. Support 4000/100 groups fusion records/fusion images
10. Comply with CE/Rohs international

## Structure Details



**Removable metal holder,  
easy to operate**



**Inductive heater,  
without fiber not heating**



**Anti-shock, water-proof  
and dustproof**



**12 ribbon fiber accurate  
alignment**



**Automatic ARC calibration  
stable splicing**



**Low splicing loss  
reach word standards**

## Specifications

Alignment method	Clad to clad
Applicable fiber	SM(G.652), MM(G.651), DS(G.653), NZDS(G.655)
Fiber cores quantity	Single core, 2-12 cores
Coating diameter	250 ~ 400μm
Typical splice loss	SM: 0.05dB; MM: 0.02dB; DS: 0.08dB; NZDS: 0.08dB
Return loss	> 60dB
Splicing program	40 groups
Operation mode	Manual/ Automatic
Auto- heating	Available
Typical splice time	20 seconds
Typical heating time	1-2 cores 26 seconds, 4-12 cores 40 seconds
Fiber magnification	25X
Viewing display	Dual high sensitivity camera, 5 inch 800*480 LCD Monitor
Data storage	4000 groups data records and 100 group images
Loss evaluation	Available
Tension test	1.8 ~ 2.2N
Interface	GUI menu interface, easy for operation
Battery capacity	5200mAh Li-battery, 150 cycles splicing and heating
Power supply	Adaptor, input: AC100-240V(50/60HZ),output: DC11-13.5V
Electrode life	More than 3000 ARC discharges, easy to replace
Terminals	USB 2.0 port, for software upgrading, records exporting
Operating condition	Altitude:0-5000m, Humidity:0-95%, Temperature:-10℃ ~ +50℃; Wind: max 15m/s
Dimension/Weight	155mm (L)×144mm (W)×155mm (H) /2.3kg (including battery)

## Accessories



Fusion Splicer



Fiber cleaver



Heating stripper



Fiber holder R-12



Cooling tray



Spare electrodes



Carrying box



Power adapter



Power plug



User manual



Strap



Fiber holder R2-10  
**(Optional)**

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